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Manufacturer of  
Hardware Fittings & Accessories  
for Transmission lines  
Distribution lines & Substation

Distribution lines



Transmission lines



Substation



“Our timely delivery, consistent high quality and competitiveness make us a preferred supplier in global market”

Since  
1999

Our  
values



Integrity in  
relationships



Honesty amongst  
our valued Clients



Commitments in  
business dealings.

## Chairman Desk



Chairman & Managing Director

The promoter Mr. R.K.Ladia a visionary par excellence with an experience of over 3 decades has been instrumental in transforming this industry and under his able leadership company today has emerged as a key player in the core sector of Insulator hardware and conductor/Earth-wire accessories.

## Vision

- To be the most trusted name in the field of hardwares and accessories with a mission to show our strong presence in Power sector.
- To develop other power sector related products to attain growth and scalability.
- To engineer product of critical application through world class manufacturing facilities and machines.
- To offer high quality products by applying experience/latest engineering technology through team of expertise.
- To improve competitiveness by controlling cost and increase in efficiency.

## KTHL Profile

KTHL (KRSNA TRANSMISSION HARDWARE MANUFACTURING PVT LTD) is an engineering, manufacturing and technology company. It began its journey in 1999, and since then KTHL has evolved as a leader in the Transmission & Distribution segment of Power sector.

With a vision to deliver consistent quality products KTHL has emerged as one of the largest integrated manufacturer of insulator hardware fittings, conductor & earth wire accessories with presence in more than 15 states across India and having modern manufacturing facilities, comprising of vastly experienced team of professionals with an ability to pioneer newer technologies in the OHTL Fittings.

## Manufacturing Facilities

KTHL has all in house integrated facility from design, engineering, manufacturing, testing of complete range of over head line hardware & accessories and substation clamps & connectors upto 400kV as per various Indian and International standards.

KTHL manufacturing unit is equipped with very comprehensive manufacturing and tooling facility which comprises of Aluminium die-casting unit having both Electric and Oil fired furnaces, moulding machines for gravity die casting, wire forming machines for manufacturing armored rods, pipe bending machines for manufacturing of corona rings, high quality power presses for steel and aluminum fabrication, nut locking and sleeve pressing machines for spacer dampers and Vibration dampers with galvanizing facility.

To meet the desired standards and quality, professional skilled production staff from the Industry are the part of KTHL manufacturing team.

## Products

The product range manufactured and supplied by KTHL caters to all the needs of EHV hardware fittings and accessories. Some of the highlights of our product line include:

- Tension Hardware suitable for ACSR/AAAC/AL59/HTLS Conductors & Disc/Longrod/Composite Insulators in single/double/triple or quad tension
- Suspension Hardware suitable for ACSR/AAAC/AL59/HTLS Conductors & Disc/Longrod/Composite Insulators ("I/V/Y" strings)
- Accessories for ACSR/AAAC/AL59/HTLS Conductors, such as
  - Spacer dampers in twin, triple, quadruple and hexagonal bundle
  - 4R Stock Bridge Vibration Dampers
  - Mid span & Repair Sleeve
  - Preformed Armour Rods
  - Rigid/Bundle Spacers
  - T- Connector
- Earth wire/Ground wire accessories such as
  - Mid span & Repair Sleeve
  - Tension Clamp
  - Suspension Clamp
  - 4R Stock Bridge Vibration Dampers
  - PG Clamps
  - Flexible Copper earth bonds

These products have a range of 66kV to 765 kV and UTS tensile strength between 70 and 920 kN.

This makes the products suitable for a wide range of practical applications in long lasting and high performance extra high voltage energy transmission.

## Machinery & Equipments



PROFILE CUTTING



ALUMINIUM WELDING



PIPE BENDING



VIBRATION DAMPER ASSEMBLY



SPACER DAMPER ASSEMBLY



ARMOUR ROD FORMATION

## Details of the Products



FORGING COMPONENTS



YOKE PLATES



SUSPENSION FITTINGS



BOLTED/COMPRESSION TENSION END FITTINGS

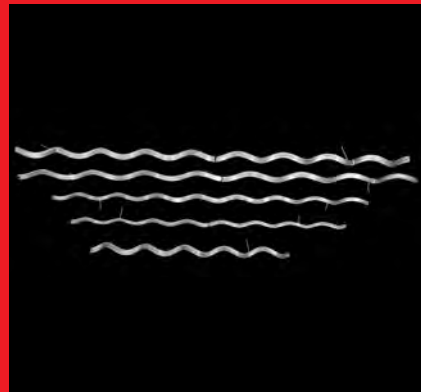


VIBRATION DAMPERS/ SPACERS



SPACER DAMPERS

## 400 KV Strings For Quadruple Conductor



PREFORMED ARMOUR RODS



CORONA CONTROL RINGS



GRADING RINGS



SINGLE SUSPENSION PILOT STRING

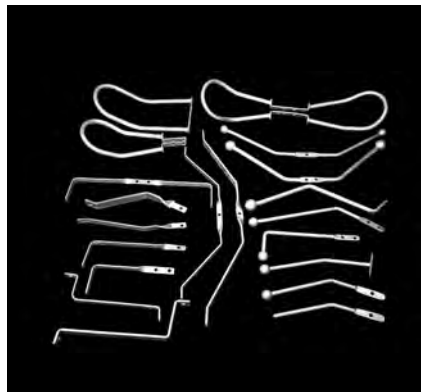


DOUBLE SUSPENSION STRING

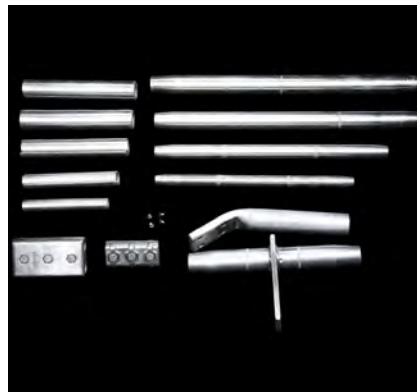


QUADRUPLE TENSION STRING

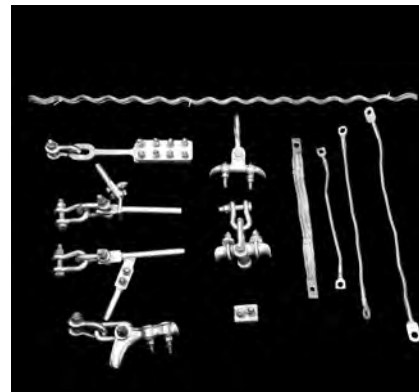
## 400 KV Strings For Twin Conductor



ARCING DEVICES



MIDSPAN JOINTS , REPAIR SLEEVES , P.G.CLAMPS , T-CONNECTOR



EARTH WIRE ACCESSORIES



SINGLE SUSPENSION STRING



DOUBLE SUSPENSION STRING



DOUBLE TENSION STRING



CLAMPS & CONNECTORS

## 400 KV Sub Station Strings For Twin Conductor



SINGLE SUSPENSION STRING WITH DROP CLAMP



DOUBLE TENSION STRING WITH BOLTED TYPE TENSION CLAMP

# Quality Assurance

The Company has got its own Quality control department to ensure consistent acceptable quality of materials for both incoming raw material and outgoing finished products. The Quality control department has made its own quality assurance plan to ensure full compliance with Indian & International quality standards.

We at KTHL, strive to give quality of products which are to the expectations and complete satisfaction of our esteemed customers and simultaneously meets the design with the specified requirement of the customers and in compliance with ISO 9001:2008.



**LEADERSHIP  
THROUGH QUALITY**

**GROWTH THROUGH  
RELIABILITY**

# In House Testing Facility

We are ever dedicated to uphold the highest standards of quality in all endeavours. The company has got its own Quality control department to ensure consistent acceptable quality of incoming raw material to outgoing finished products. The Quality control Department of the company is replete and well-equipped with electrical, mechanical, and chemical analysis equipments. KTHL is equipped with a fully fledged testing laboratory to test transmission line Hardware Fittings & Accessories. KTHL has installed all the testing equipments to carry out type, acceptance and routine tests on transmission line fittings in accordance with Indian and International specifications



600 KN UNIVERSAL TESTING MACHINE



1000 KN HORIZONTAL TESTING MACHINE



ROCKWELL HARDNESS TESTER



SOFTWARE BASED ELECTRO DYNAMIC SHAKER



SOFTWARE BASED MICROSCOPE



MAGNASPRAY INSPECTION MACHINE

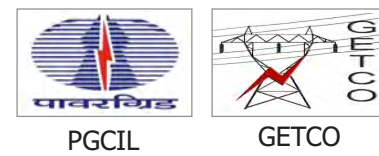
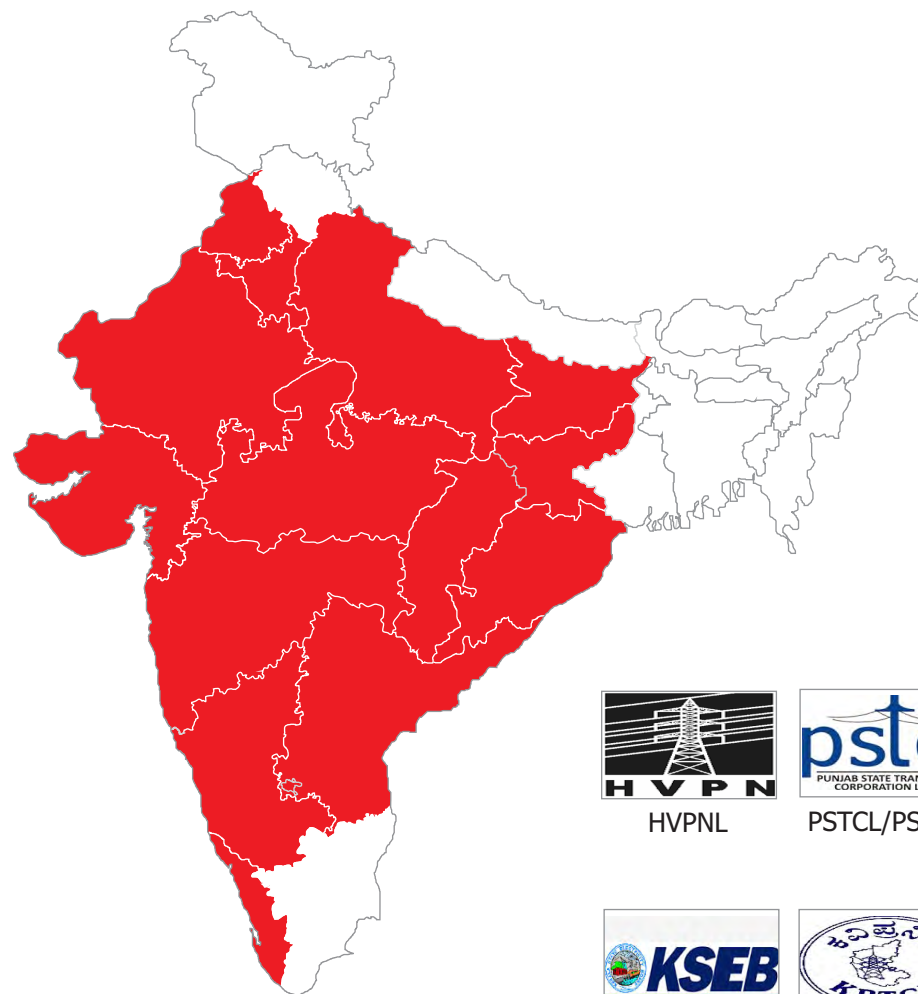


SOFTWARE BASED SPECTROMETER

# Clintele Base

Our stringent Quality control and best QA practices have been recognized and approved by various state Utilities. KTHL has been successfully supplying complete range of Hardware fittings and Accessories upto 400KV to the following SEB's and private contractors since year 1999.

## State Electricity Boards



## Epc Turnkey Contractors

 L&T	 KEC	 KPTL	 BAJAJ	 ABB	 ALSTOM
 BHEL	 SIEMENS	 SHREEM	 HINDALCO	 UNITECH	 RELIANCE
 JINDAL	 ADANI	 LANCO	 FEDDER LLOYD	 SUZLON	 GAMESA
 WINDWORLD	 INOX WIND	 GMR	 ISOLUX	 IVRCL	 VOLTAS
 GODREJ	 STERLING AND WILSON	 GVPR	 BS GROUP	 MEIL	 KCL
 BNC	 MONTECARLO	 TORRENT POWER	 SHARAVATHY CONDUCTORS	 VARRSANA ISPAT	 BHARAT BIJLEE
 JYOTI POWER	 SIDDHARTH ENGG	 SUJANA TOWERS	 APSL	 STELMEC	 KAILASH DEVBUILD
 GOLDSTONE	 MOSDORFER	 NALCO	 K RAMACHANDRA RAO TRANSMISSION & PROJECTS PVT LTD.	 OMICRON POWER ENGINEERS PVT LTD	 SHREE CEMENT LIMITED